



SEQUENCE LISTING

<110> Bolt, Sarah L.
Clark, Michael R.
Gorman, Scott D.
Routledge, Edward G.
Waldmann, Herman

<120> HUMANIZED ANTI-CD3 SPECIFIC ANTIBODIES (as amended)

<130> bolt et al

<140> 08/478,684

<141> 1995-06-07

<150> 9206422.9

<151> 1992-03-24

<150> PCT/GB92/01933

<151> 1992-10-21

<160> 26

<170> PatentIn Ver. 2.1

<210> 1

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<212> PRT

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<223> Description of Artificial Sequence: artificial
peptide

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Ser Phe Pro Met Ala

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peptide

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Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val Lys Gly

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<211> 10

<212> PRT

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Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr
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<210> 4

<211> 13

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<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artificial peptide

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: artificial peptide

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Asp Asp Asp Lys Arg Pro Asp
1 5

<210> 6

<211> 9

<212> PRT

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His Ser Tyr Val Ser Ser Phe Asn Val
1 5

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<211> 30

<212> PRT

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<220>

<223> Description of Artificial Sequence: artificial
peptide

<400> 7

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
20 25 30

<210> 8

<211> 14

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Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
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<210> 9

<211> 32

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<223> Description of Artificial Sequence: artificial
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Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln
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Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Lys
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<210> 10

<211> 11

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: artificial
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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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<210> 11

<211> 119

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: artificial
peptide

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
20 25 30

Pro Met Ala Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Ser Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Lys Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
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<210> 12

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<212> PRT

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<223> Description of Artificial Sequence: artificial
peptide

<400> 12

Asp Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
1 5 10 15

Thr Val Ile Ile Ser Cys
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<210> 13

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<212> PRT
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<223> Description of Artificial Sequence: artificial
peptide

<400> 14
Gly Val Pro Asp Arg Phe Ser Gly Ser Ile Asp Arg Ser Ser Asn Ser
1 5 10 15

Ala Ser Leu Thr Ile Ser Gly Leu Gln Thr Glu Asp Glu Ala Asp Tyr
20 25 30

Tyr Cys

<210> 15
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<212> PRT
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Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
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1 5 10 15

Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn
20 25 30

Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Thr Val
35 40 45

Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
50 55 60

Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
65 70 75 80

Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
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Ser Phe Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
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<212> DNA

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<223> Description of Unknown Organism: unknown

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<213> Unknown Organism

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<210> 19

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<212> DNA

<213> Unknown Organism

<220>

<223> Description of Unknown Organism: unknown

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<220>
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<220>
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<210> 22
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<212> DNA
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<220>
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tcctgtgcag cctcaggatt cactttcagt agctttccaa tggcctgggt ccgccaggct 120
ccaggggaagg gtctggagtg ggtctcaacc attagtacta gtggtggtag aacttactat 180
cgagactccg tgaagggccg attcactatc tccagagata atagcaaaaa taccctatac 240
ctgcaaataa atagtctgag ggctgaggac acggccgtct attactgtgc aaaatttcgg 300
cagtacagtg gtggctttga ttactggggc caagggaccc tggtcaccgt ctctctca 357

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<211> 330
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<213> Unknown Organism

<220>
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ccgggaagag ctcccaccac tgtgattttc gatgatgata agagaccgga tgggtgtccct 180
gacaggttct ctggctccat tgacaggtct tccaactcag cctccctgac aatcagtggg 240
ctgcaaaactg aagatgaagc tgactactac tgtcattctt atgttagtag ttttaatgtt 300
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<220>
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<400> 25
Asp Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
1 5 10 15
Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn
20 25 30
Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Thr Val
35 40 45
Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
50 55 60
Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
65 70 75 80
Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
85 90 95
Ser Phe Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105 110
Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu
115 120 125
Leu Gln
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<210> 26
<211> 30
<212> PRT
<213> Artificial Sequence

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peptide

<400> 26

Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala Ala
1 5 10 15

Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln
20 25 30